Action Item List 20 March 2001 Status

21 February 2001 AIRS Science Team meeting

D1. Dave Tobin: check availability of the UW ground-track/slant path prediction program. Needs to be exportable to support AIRS ground campaigns.
http://www.ssec.wisc.edu/datacenter/terra/
appears to satisfy the requirements.

D2. Eric Fetzer: Confirm that Revercomb/Tobin delivery all ARM/CART type ground campaign state of the atmosphere data not just the three US ARM/CART sites.
What data are being generated at the European and Brazilian validation sites and does Dave Tobin convert all of them into the state of the atmosphere?

D3. Granger: Post the Table with proposed level 3 products.
Closed. Table published.

D4. How cloud-free is good enough for AIRS retrievals.
Combined with D11.

D5. S.Y. Lee Define requirements for pre_L2 PGE (L2_lite) to be run at JPL on all level 1b for clear field identification, clear (calc.-obs) statistics analysis, cloud-clearing, and retrievals under clear conditions.

D6. Chris Barnet Clip unphysical solutions for emissivity in the solution.

D7. Chris Barnet Analyze the Level 2 bias problem.

D8. S.Y. Lee Put the standard deviation of the 9 temperatures in the 3 x 3 field in the truth temperature error field.

D9. E. Fishbein: Follow up the discrepancy between the microwave emissivity presented at the meeting and the official models.
Closed. Plotting error identified and fixed in the presentation viewgraph.

D10. Aumann: Formulate software release policy.

D11. E. Fishbein : Define stand-alone “cloud-free” indicator (part of L2_lite)

D12. Navid Dehghani: DAAC needs User-guide for AIRS data stored at the DAAC.
Closed: This documentation is supplied with each software delivery to the DAAC for on-line viewing.

D13. Navid Dehghani: Make script available for access of data from the JPL TDS.

3 October 2000 Science Team Meeting:

A4. Dehghani: Golfball extraction and off-line golf ball processing capability.
Status: In process.
This capability is scheduled for V2.1.5 for release in April-May. Bob Oliphant will generate a design which will be reviewed prior to implementation.

A6. Gunson: Truth golf balls selection details.
Status: In process.
300/day (clear and cloudy) from routine radiosonde matchups. Surface marine input limit to 300/day. There are no limits per se on the number of golfballs which can be extracted and processed at JPL. The current limit is not on processing or handling, but rather the limitations on validation of the few matchups per day we expect. We have the flexibility to select a variable space-time window for matchups to test as needed. This will be exercised when we get real data.

A9. Schindler: Supply "as built" alignment documentation to SYL.
Status: In process.
Documentation from TRW clarifies that mounting angles are within specification. Still waiting for the "as built angles"

A10. SYL: Plot "nominal" as built AIRS/HSB/AMSU "index driven" footprint alignment.
Status: In process.
Waiting for completion of A9.

A12. Strow: Define equations for consistent forward model calculations. Include the level interpolation/extrapolation details.
Status: In process

A13. Fetzer: Dry run of ARM/CART data flow in November 2000. Integrate Val AO additional validation data proposed schedule and ARM/CART launch schedule.
Status: In process. Val AO support team selection on Jack Kaye's desk as of 27 February 2001. We have received several examples of ARM/CART data files.

Action items in response to issues raised at the 15 December software readiness review:

C2. Dehghani: Exercise the DAAC connection. Deposit sample of level 1b, level 2 and golfball data on the DAAC ftp site and let users get them from the DAAC.
Status: In process.
Version 2.1 products will be archived at the GSFC DAAC. Bruce Vollmer of GSFC DAAC will send the procedure for establishing accounts at the GSFC DAAC for AIRS products users. Navid Dehghani will submit a list of names to the user services at the GSFC DAAC. GSFC DAAC will activate these accounts. George Serafino of the GSFC DAAC user services presented capabilities of the DAAC user services. Dave Gregorich presented demo/tutorial of access to data from the GSFC DAAC. Using MODIS data. Posting of AIRS data on the DAAC anonymous FTP server still being negotiated.

ACTION ITEMS FROM 6 DECEMBER 2000 AIRS Data Assimilation Workshop:

B2. Evan Fishbein: Post AIRS Design File Memo (ADFM) describing simulation used for the CAMEX-3 data, including details about surface emissivity, interpolation between GCM gridpoints and 30 layer to 100 level interpolation.
Status: In process
Presentation at the 21 February science team meeting. ADFM to follow shortly thereafter.

B3. Gunson: Make AIRS channel properties file available on public web site.
Status: In process.
Channel properties file has been updated and is being verified. Some data still needs updating, but we will post the current version. Data currently on the password protected website to be shifted to anonymous web site.